

## **California Weather-Hydro Conditions during September 2013**

As of September 30, the end of Water Year 2013, statewide hydrologic conditions were as follows: precipitation, 80 percent of average to date; runoff, 60 percent of average to date; and reservoir storage, 80 percent of average for the date. Sacramento River Region unimpaired runoff, for Water Year 2013, observed through September 30, 2013 was about 11.9 million acre-feet (MAF), which is about 65 percent of average. For comparison during Water Year 2012, the observed Sacramento River Region unimpaired runoff through September 30, 2012 was about 11.8 MAF, or about 65 percent of average.

On September 30, the Northern Sierra 8-Station Precipitation Index Water Year total was 46.2 inches, which is about 92 percent of an average water year (50.0 inches). During September, the total precipitation for the 8-Stations was 1.8 inches, or about 200 percent of average. Last year on September 30, the Water Year 2012 total for the 8-Stations was 41.6 inches, or about 83 percent of average. The combined total January through May precipitation, in Water Year 2013, is the driest in about 90 years of record.

On September 30, the San Joaquin 5-Station Precipitation Index Water Year total was 26.5 inches, which is about 65 percent of an average water year (40.8 inches). During September, the total precipitation for the 5-Stations was 0.2 inches, or about 25 percent of average. Last year on September 30, the Water Year 2012 total for the 5-Stations was 25.0 inches, or about 61 percent of average. The combined total January through May precipitation, in Water Year 2013, is the driest in about 90 years of record.

Selected Cities Precipitation Accumulation as of 09/30/2013 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2013 – 2013 (in inches)	% Avg	Jul 1 to Date 2012 – 2012 (in inches)	% Avg	% Avg “Water Year” Jul 1 to Jun 30 2013- 2014
Eureka	3.22	298	0.78	72	8
Redding	1.39	153	0.00	0	4
Sacramento	0.59	174	0.03	9	3
San Francisco	0.43	159	0.02	7	2
Fresno	0.01	5	0.00	0	0
Bakersfield	0.00	0	0.02	17	0
Los Angeles	0.03	10	0.00	0	0
San Diego	0.05	25	0.00	0	0

Key Reservoir Storage (1,000 AF) as of 09/30/2013								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,303	1,700	77	2,448	53	---	1,145
Shasta Lake	Sacramento	1,906	2,810	68	4,552	42	-2,646	2,646
Lake Oroville	Feather	1,633	2,252	73	3,538	46	-1,717	1,905
New Bullards Bar Res	Yuba	550	590	93	966	57	-361	416
Folsom Lake	American	361	558	65	977	37	-616	616
New Melones Res	Stanislaus	1,047	1,331	79	2,420	43	-1,226	1,373
Don Pedro Res	Tuolumne	1,077	1,363	79	2,030	53	-695	953
Lake McClure	Merced	302	509	59	1,025	29	-551	723
Millerton Lake	San Joaquin	317	203	156	520	61	-203	203
Pine Flat Res	Kings	154	348	44	1,000	15	-846	846
Isabella	Kern	56	184	30	568	10	-248	512
San Luis Res	(Offstream)	504	993	51	2,039	25	---	1,535

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for October 2013, issued September 30, 2013, suggests no tendency for above or below average rainfall for California.